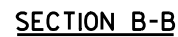


⊗ PAY LIMITS FOR TYPE "W" STEEL RAILING.



- ① W 6 x 25 WITH $\frac{3}{4}$ " x $\frac{1}{2}$ " SLOTS IN FLG. (SLOT ON OTHER SIDE OF WEB IS OPTIONAL) FOR NO. 7. CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY. PLACE POSTS VERTICAL AND NORMAL TO GRADE LINE.
- ② C 8 x 11.5 WITH $\frac{13}{16}$ " DIA. HOLES FOR NO. 8.
- ③ BASE PLATE 1" X $9\frac{1}{2}$ " x 10" WITH $\frac{1}{16}$ " x $\frac{1}{2}$ " SLOTTED HOLES FOR ANCHOR BOLTS NO. 4. WELD TO NO. 1 AS SHOWN.
- ④ A325 - $\frac{7}{8}$ " HEX BOLTS (GALVANIZED) WITH A325 NUT AND WASHER. 14" LONG AT END POSTS AND AT POSTS ON CONCRETE SLAB SUPERSTRUCTURES WHERE THE SLAB THICKNESS IS > 15 ". USE 8" LONG AT ALL OTHER LOCATIONS. 4 REQ'D. PER POST. THREAD 3" AND PLACE NORMAL TO PLATE NO. 3. CHAMFER TOP OF BOLTS BEFORE THREADING.
- ⑤ $\frac{1}{4}$ " x 8" x 8" FLAT BAR, WITH $\frac{15}{16}$ " DIA. HOLES FOR ANCHOR BOLTS NO. 4.
- ⑥ $1\frac{3}{4}$ " x 3" MOUNTING BOLT WASHER (GALVANIZED.)
- ⑦ $\frac{5}{8}$ " DIA. BUTTON HEAD POST MOUNTING BOLT WITH ROUND WASHER AND NUT.
- ⑧ $\frac{5}{8}$ " DIA. x 2" HEX BOLTS WITH NUT AND TWO WASHERS EACH.
- ⑨ PLATE $\frac{1}{2}$ " x $5\frac{3}{4}$ " x 6" AT BASIC POST CONNECTION. $\frac{1}{4}$ " DIA. HOLES IN PLATE. $\frac{13}{16}$ " DIA. HOLES IN CHANNEL.
- ⑩ PLATE $\frac{1}{2}$ " x $5\frac{3}{4}$ " x $1\frac{1}{2}$ ". $\frac{1}{4}$ " DIA. HOLES IN PLATE. $\frac{13}{16}$ " DIA. HOLES IN CHANNEL. EXPANSION SLOTS ON JOINT SIDE OF POST. $\frac{1}{16}$ " x $2\frac{1}{4}$ " IN PLATE. $\frac{13}{16}$ " x $2\frac{1}{4}$ " IN CHANNEL. (AT EXPANSION SPLICE.)
- ⑪ PLATE $\frac{1}{2}$ " x $5\frac{3}{4}$ " x $1\frac{1}{2}$ ". $\frac{1}{4}$ " DIA. HOLES IN PLATE. $\frac{13}{16}$ " DIA. HOLES IN CHANNEL. (AT TYPICAL SPLICE.)

BID ITEM SHALL BE "RAILING STEEL TYPE W B-_-_"
WHICH INCLUDES ALL ITEMS SHOWN.

ALL MATERIAL EXCEPT ANCHORAGE DETAIL (NO. 5)
SHALL BE GALVANIZED AFTER FABRICATION.

ALL MATERIAL USED IN FABRICATION SHALL BE
MADE FROM MATERIALS CONFORMING TO A.S.T.M.
DESIGNATION A709 GRADE 36 UNLESS NOTED
OTHERWISE.

PAY LIMITS FOR "GUARD RAIL" SHALL BE FROM
 £ TO £ OF END POSTS.

CHANNEL MEMBER SHALL BE ATTACHED CONTINUOUSLY TO A MINIMUM OF FOUR POSTS AND A MAXIMUM OF EIGHT (EXCEPT AT ABUTMENTS).

STEEL POST SHIMS MAY BE USED UNDER POSTS
WHERE REQ'D. FOR ALIGNMENT.

 TIE TO TOP MAT OF STEEL.

APPROX. RAILING WT. = 45 #/FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED: Stanley W. Woods

DATE:	5-04
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